



INTELLECTUAL PROPERTY LAW

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DATE: January 25, 2002

JOB CODE: 31280p5

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Please deliver this and the following pages to:

Name: Examiner Q. Li  
Company/Firm: U.S.P.T.O.  
Telecopier No.: (703) 308-8724  
Client/Matter No.: U.S. Serial No. 09/485,421; Our Docket No. UPN-4023  
Sender's Name: Paul K. Legaard  
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DOCKET NO.: UPN-4023

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Mahalingam et al.

Serial No.: 09/485,421

Group Art Unit: 1632

Filing Date: October 5, 2000

Examiner: Q. Li

For: FUNCTIONAL FRAGMENTS OF HIV-1 VPR PROTEIN AND METHODS OF  
USING THE SAME

## Certificate of Facsimile Transmission

I hereby certify that this paper is being facsimile  
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On 25 JANUARY 2002P. K. Logard  
Pau K. Logard Reg. No. 98,634Box ☐ NON-FEE☐ AFAssistant Commissioner for Patents  
Washington DC 20231

Sir:

## AMENDMENT TRANSMITTAL LETTER

Transmitted herewith for filing in the above-identified patent application is:

☐ A Preliminary Amendment.☒ An Amendment and Request for Reconsideration Responsive to the Office ActionDated October 25, 2001.☐ An Amendment Supplemental to the Paper filed \_\_\_\_\_.☐ Other: \_\_\_\_\_.

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- ☐ Applicant(s) has previously claimed small entity status under 37 CFR §1.27.
- ☐ Applicant(s) by its/their undersigned attorney, claims small entity status under 37 CFR §1.27 as:
- ☐ an Independent Inventor
  - ☐ a Small Business Concern
  - ☐ a Nonprofit Organization
- ☐ This application is no longer entitled to small entity status. It is requested that this be noted in the files of the Patent and Trademark Office.
- ☐ Substitute Pages \_\_\_\_\_ of the Specification are enclosed.
- ☐ An Abstract is enclosed.
- ☐ \_\_\_\_\_ Sheets of Proposed Corrected Drawings are enclosed.
- ☐ A Certified Copy of each of the following applications: \_\_\_\_\_  
\_\_\_\_\_ is enclosed.
- ☐ An Associate Power of Attorney is enclosed.
- ☐ Information Disclosure Statement.
- ☐ Attached Form 1449.
  - ☐ A copy of each reference as listed on the attached Form PTO-1449 is enclosed herewith.
- ☐ Appended Material as follows: \_\_\_\_\_
- ☐ Other Material as follows: \_\_\_\_\_

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PATENT

## FEE CALCULATION

☐ No Additional Fee is Due.

				SMALL ENTITY		NOT SMALL ENTITY	
	REMAINING AFTER AMENDMENT	HIGHEST PAID FOR	EXTRA	RATE	FEE	RATE	FEE
TOTAL CLAIMS	11	27 (20 MINIMUM)	0	\$9 EACH	\$0	\$18 EACH	\$
INDEP. CLAIMS	2	9 (3 MINIMUM)	0	\$42 EACH	\$0	\$84 EACH	\$
FIRST PRESENTATION OF MULTIPLE DEPENDENT				\$140	\$0	\$280	\$
<input type="checkbox"/> ONE MONTH EXTENSION OF TIME				\$55	\$0	\$110	\$
<input type="checkbox"/> TWO MONTH EXTENSION OF TIME				\$200	\$0	\$400	\$
<input type="checkbox"/> THREE MONTH EXTENSION OF TIME				\$460	\$0	\$920	\$
<input type="checkbox"/> FOUR MONTH EXTENSION OF TIME				\$720	\$0	\$1440	\$
<input type="checkbox"/> FIVE MONTH EXTENSION OF TIME				\$980	\$0	\$1960	\$
<input type="checkbox"/> LESS ANY EXTENSION FEE ALREADY PAID				minus	(\$0 )	minus	(\$ )
<input type="checkbox"/> TERMINAL DISCLAIMER				\$55	\$0	\$110	\$
<input type="checkbox"/> OTHER FEE OR SURCHARGE AS FOLLOWS:					0		
TOTAL FEE DUE					\$0		\$

- ☐ A Check is Enclosed in the Foregoing Amount Due.
- ☐ Petition is hereby made under 37 C.F.R. 1.136(a) to extend the time for response to the Office Action of @@ to and through @@ comprising an extension of the shortened statutory period of @@ month(s).
- ☒ The Commissioner is hereby requested to grant an extension of time for the appropriate length of time, should one be necessary, in connection with this filing or any future filing submitted to the U.S. Patent and Trademark Office in the above-identified application during the pendency of this application. The Commissioner is further authorized to charge any fees related to any such extension of time to deposit account 23-3050. This sheet is provided in duplicate.

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PATENT

- ☒ The Commissioner is authorized to charge payment of the following fees and to refund any overpayment associated with this communication or during the pendency of this application to deposit account 23-3050. This sheet is provided in duplicate.
- ☐ The Foregoing Amount Due for Filing this Paper.
- ☒ Any additional filing fees required, including fees for the presentation of extra claims under 37 C.F.R. 1.16.
- ☒ Any additional patent application processing fees under 37 C.F.R. 1.17 or 1.20(d).

**SHOULD ANY DEFICIENCIES APPEAR** with respect to this application, including deficiencies in payment of fees, missing parts of the application or otherwise, the United States Patent and Trademark Office is respectfully requested to promptly notify the undersigned.

Date: 25 JANUARY 2002



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**DOCKET NO.: UPN-4023****PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

**Mahalingam et al.**Serial No.: **09/485,421**Group Art Unit: **1632**Filed: **October 5, 2000**Examiner: **Q. Li**For: **FUNCTIONAL FRAGMENTS OF HIV-1 VPR PROTEIN AND METHODS  
OF USING THE SAME****Certificate of Facsimile Transmission**

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to the Patent and Trademark Office to facsimile number (703)  
308-8724 on the date shown below

On January 25, 2002  
Paul K. Legaard Reg. No. 38,534

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

**AMENDMENT AND REQUEST FOR RECONSIDERATION**

In response to the Office Action mailed October 25, 2001 in connection with the above-identified patent application, Applicant respectfully requests that the application be amended as follows.

**In the Specification:**

Please replace the paragraph beginning at page 6, line 28 of the specification with the following rewritten paragraph:

--Figure 5 shows, top to bottom, domains of Vpr (SEQ ID NO:4) required for virion incorporation, subcellular localization (two sequences for nuclear localization), and cell cycle arrest/differentiation. The amino acid sequence of macrophage trophic clone 89.6 Vpr is shown with